AMENDMENTS TO THE CLAIMS

1   1.   (Original) A method of evolving an Extensible Markup Language (XML) Schema,

2   the method comprising:

3   receiving, at a schema evolver that is executing in a computer system, a document

4   that indicates one or more changes to be made to a first XML schema;

5   based on said first XML schema and said document, said schema evolver generating a

6   second XML schema; and

7   based on said second XML schema, generating one or more first Structured Query

8   Language (SQL) statements.

1   2.   (Original) The method of Claim 1, wherein said first SQL statements, when

2   executed, cause one or more database object types to be created.

1   3.   (Original) The method of Claim 1, wherein said first SQL statements, when

2   executed, cause one or more database object tables to be created.

1   4.   (Original) The method of Claim 1, wherein said first SQL statements, when

2   executed, cause one or more database object types to be deleted.

1   5.   (Original) The method of Claim 1, wherein said first SQL statements, when

2   executed, cause one or more database object tables to be deleted.

1   6.   (Original) The method of Claim 1, wherein said first SQL statements, when

2   executed, cause one or more database object types to be altered.

1   7.   (Original) The method of Claim 1, wherein said first SQL statements, when

2   executed, cause one or more database object tables to be altered.

1   8.   (Original) The method of Claim 1, wherein said first SQL statements, when

2   executed, cause one or more database object instances to be altered.

1   9.   (Original) The method of Claim 1, wherein said one or more changes are expressed

2   as one or more instances of one or more XML types specified by a third XML

3   schema.

1   10.   (Original) The method of Claim 1, further comprising:

2   generating one or more second SQL statements that, when executed, cause effects of

3   said one or more first SQL statements to be reversed.

1   11.   (Original) The method of Claim 10, further comprising:

2   determining, while executing said one or more first SQL statements, whether an error

3   has occurred; and

4   in response to determining that an error has occurred, executing one or more of said

5   one or more second SQL statements that, when executed, cause effects of said

6   one or more first SQL statements that have been executed to be reversed.

1   12.   (Currently Amended) A method of generating Structured Query Language (SQL)

2   statements to alter database types in a database system that has definition data that

3   defines a set of one or more database object types, the method comprising:

4   receiving a first Extensible Markup Language (XML) schema; and

5   based on said first XML schema, generating one or more SQL statements that, when

6   executed, cause a database server to alter said set of one or more database

7   object types;

8   <u>wherein said one or more database object types were generated based on a second</u>

9   <u>XML schema that differs from said first XML schema.</u>

1   13.   (Canceled)

1   14.   (Currently Amended) The method of Claim [[13]]<u>12</u>, wherein said first XML schema

2   was generated based on said second XML schema.

1   15.   (Original) The method of Claim 12, wherein said one or more SQL statements, when

2   executed, cause said database server to create one or more of said one or more

3   database object types.

1   16.   (Original) The method of Claim 12, wherein said one or more SQL statements, when

2   executed, cause said database server to delete one or more of said one or more

3   database object types.

1   17.   (Canceled)

1   18.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 1.

1   19.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 2.

1   20.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 3.

1   21.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 4.

1   22.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 5.

1   23.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 6.

1   24.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 7.

1   25.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 8.

1   26.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 9.

1   27.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 10.

1   28.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 11.

1   29.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 12.

1   30.   (Canceled)

1   31.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 14.

1   32.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 15.

1   33.   (Original) A computer-readable medium carrying one or more sequences of

2   instructions which, when executed by one or more processors, causes the one or more

3   processors to perform the method recited in Claim 16.

1   34.   (Canceled)